OK

Depth 6	Contents 7	Reference to last Measurement 8

W/O. No:- EE/BSP/BBMP/E-pro/452/12-13

SBR No. 237/13-14 **M.A.R. 57 (Rule 116)** Dated- 16/3/13 197884

ದಿನಾಂಕ: 31/12/13

Measurement Book No. C/09

Serial No. work code no: 011-013-000016 BR-332/31-12-13

Name of work. Improvements to CC Road from Shakil House, Maktam Sab House & Hazere House Road at M.S Palya in Ward No 4

Name of Contractor of nature of Agency. Sri: Jayakumar.

Date of commencement of work. 20-11-13

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Recorded on 20-11-13						
	1) Earth work excavation by manual means in hard soil involving an average horizontal throw up to 2 meters and an average lift up to 0.5m. Excavated surface leveled & sides neatly the disposed earth to be leveled neatly after breaking of clodes etc. Complete as per specifications.						
	CC Road	1	30.00	$\frac{2.30+2.80}{2}$	0.15	= 11.48	
		1	6.00	$\frac{2.80+2.60}{2}$	0.15	= 2.43	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Muktam Sab House		1 × 30.00	× (4.30 + 3.70)/2	× 0.15 =	18.00	
			1 × 23.40	× (3.70 + 3.90)/2	× 0.15 =	13.34	
	Cross Road		1 × 30.00	× (3.80 + 3.45)/2	× 0.15 =	16.31	
			1 × 30.00	× (3.45 + 4.20)/2	× 0.15 =	17.21	
			1 × 4.50	× (4.20 + 4.30)/2	× 0.15 =	2.87	
	Hazare House		1 × 30.00	× (4.60 + 4.30)/2	× 0.15 =	20.03	
			1 × 5.10	× (4.30 + 4.30)/2	× 0.15 =	3.29	
			1 × 30.00	× (4.20 + 4.10)/2	× 0.15 =	18.68	
					Total	123.63 m3	
				Limited to		117.70 m3	

Cft
12.14

Serial No.....

Name of work.....

Name of Contractor of nature of Agen

Date of commencement of work.....

Date	Full description, etc, of work	
1	2	

Meas continued on 23-4-
2) providing & laying in
OPC cement) 180 kg/
coarse aggregates) c
Concrete laid in layers
foundation & plinth, in c
curing etc. Complete
preme

Depth 6	Contents 7	Reference to last Measurement 8
70 x 0.15 =	18.00	
90 x 0.15 =	13.34	
45 x 0.15 =	16.31	
20 x 0.15 =	17.21	
30 x 0.15 =	2.87	
30 x 0.15 =	20.03	
30 x 0.15 =	3.29	
0 x 0.15 =	18.68	
Total	123.63 m³	
00	117.70 m³	

Chfc 12.14

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
			@ Rs 100=00			Rs. 11770=00	
	Measr continued on 23-4-13						
	2) providing & laying in position plain Cement Concrete of Mix M 7.5 with 0pc Cement @ 180 kgs using 40mm & down size graded granite metal coarse aggregates @ 0.85 cum & fine aggregates @ 0.58 cum Machine Mixed Concrete laid in layers not exceeding 15cms thick, well compacted. in foundation & plinth, including cost of all materials, labour, tools & Machinery curing etc. Complete as per Specifications.						
	premeasurement Qty vide page No 197896						
	Total Qty					123.63 m³	
	Limited to					122.70 m³	
			@ Rs 3800.00			Rs. 466260=00	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	3) providing & removing centering, shuttering, strutting, propping etc. & removal of form work for vertical surface such as walls at any thickness, including attached, pilasters, buttresses, plinth & string courses cost of all materials labour etc. complete as per specifications.						
	premeasurement qty vide page no					197897	
	Total qty					81.15 m²	
	Limited to					78.90 m²	
	@ Rs 150.00					Rs. 11835.00	
	4) providing & fixing 20mm thick compressible fibre board in expansion joint complete as per specifications.						
		3 × 2.30	—	—	= 6.90		
		2 × 2.80	—	—	= 5.60		
		3 × 3.70	—	—	= 11.10		
		2 × 3.90	—	—	= 7.80		
		3 × 3.45	—	—	= 10.35		

C&Pc

Serial No.....

Name of work.....

Name of Contractor of nature

Date of commencement of w

Date	Full description, etc, of
1	2
	5) providing and with OPC cem metal coarse

OOK

		Contents	Reference to last Measurement
adth 5	Depth 6	7	8
ng, strutting, propping etc. & removal as walls at any thickness, including ing courses cost of all materials			
side page No		197897	
Total qty		81.15 m²	
mited to		78.90 m²	
150.00		Rs. 11835.00	
ensible fibre board in expansion			
	-	= 6.90	
-	-	= 5.60	
-	-	= 11.10	
-	-	= 7.80	
-	-	= 10.35	

Clfc

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		3	× 4.20	—	—	= 12.60	
		3	× 4.30	—	—	= 12.90	
		1	× 4.30	—	—	= 4.30	
		3	× 4.20	—	—	= 12.60	
					Total	84.15 m²	
					limited to	84.00 m²	
				@ Rs 150.00		Rs. 12600=00	

Clfc

5) providing and laying in position plain cement concrete of Mix M20 with OPC cement @ 300 kgs, with 20mm & down size graded granite metal coarse aggregates @ 0.64 cum & fine aggregates @ 0.43 cum

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	With Superplastisier @ 3lts Confirming to IS 9103-1999 reaffirmed-2008, machine Mixed, Concrete laid in layers not exceeding 15cms thick well Compacted, in foundation, plinth & Cills, including cost of all materials, labour, tools & Machinery, curing etc. Complete as per Specifications.						
	CC Road from Shakil House	1	30.00	$\frac{2.30+2.80}{2}$	0.10	= 7.65	
		1	6.00	$\frac{2.80+2.60}{2}$	0.10	= 1.62	
	Muktar Sab House	1	30.00	$\frac{4.30+3.70}{2}$	0.10	= 12.00	
		1	23.40	$\frac{3.70+3.90}{2}$	0.10	= 8.89	
	Cross Road	1	30.00	$\frac{3.80+3.45}{2}$	0.10	= 10.88	
		1	30.00	$\frac{3.45+4.20}{2}$	0.10	= 11.48	

CC Fc Tatu

Serial No.....

Name of work.....

Name of Contractor of nature of Agen

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	Hegare House
	Cross Rd

Depth 6	Contents 7	Reference to last Measurement 8
to IS 9103-1999 reaffirmed - layers not exceeding 15cms nth & Cills, including cost of , curing etc. Complete as per		
30x0.10 =	7.65	
60x0.10 =	1.62	
0x0.10 =	12.00	
0 x0.10 =	8.89	
5x0.10 =	10.88	
20x0.10 =	11.48	

CBFC
Patil

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09

197887

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
		1	4.50	$\frac{4.20+4.30}{2}$	x0.10 =	1.91	
	Hegare House	1	30.00	$\frac{4.60+4.30}{2}$	x0.10 =	13.35	
		1	5.10	$\frac{4.30+4.30}{2}$	x0.10 =	2.19	CBFC
	Cross Rd	1	30.00	$\frac{4.20+4.10}{2}$	x0.10 =	12.45	
				Total qty		82.42 m³	4/12/13
				Limited to		81.80 m³	ಕಾ.ಅ. (ಬಿ.ಎ)
				Amt. 4937.76		Rs.	403909=00

4/12/13 4/12/13

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	6) Vaccum Dewatering with vaccum pump & Suction mat & Compaction with Skin Floater clubbed with floating disc including cost of generator Hire of Machinery Screed vibratory, power floater, blade & disc etc. Complete as per Specifications.						
	Road From Shakil House			$1 \times 30.00 \times \frac{2.30+2.80}{2}$	—	= 76.50	
				$1 \times 6.00 \times \frac{2.80+2.60}{2}$	—	= 16.20	
	Muktam Lab House			$1 \times 30.00 \times \frac{4.30+3.70}{2}$	—	= 120.00	
				$1 \times 23.40 \times \frac{3.70+3.90}{2}$	—	= 88.92	
	Cross Road			$1 \times 30.00 \times \frac{3.80+3.45}{2}$	—	= 108.75	
				$1 \times 30.00 \times \frac{3.45+4.20}{2}$	—	= 114.75	

Carried Forward

Serial No.....

Name of work.....

Name of Contractor of nature of Age

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	Hazare House

Depth 6	Contents 7	Reference to last Measurement 8
Cushion mat & compaction with c including cost of generator or Hammer, blade & disc etc.		
0 —	= 276.50	
0 —	= 16.20	
0 —	= 120.00	
0 —	= 88.92	
5 —	= 108.75	
0 —	= 114.75	

CRFc Pg 12

M.A.R. 57 (Rule 116)

Measurement Book

No. C/09 197888

Serial No.....

Name of work.....From.....To.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Hazare House	1 × 4.50 ×		(4.20+4.30)/2	—	= 19.13	
		1 × 30.00 ×		(4.60+4.30)/2	—	= 133.50	
		1 × 5.10 ×		(4.30+4.80)/2	—	= 21.93	
		1 × 30.00 ×		(4.20+4.10)/2	—	= 124.50	
				Total Qty		824.18 m²	
				Limited To		818.00 m²	
			Rs 156.50			Rs. 128017.00	

CRFc Pg 12

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	4	6	7	8
7)	Lead For Disposal of Debris shall be payble at carriage rates by Mechanical means, including loading & Unloading from 0.00 to 2.00 KMS						
		Qty Wide No. 01					
				Total Qty		123.63 m3	
				Limited to		117.70 m3	
				@ Rs 120.00			Rs. 14124.00
				Total			Rs. 1048515=00
		C&RC					
						31/12/13	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ,
ಯಲಹಂಕ ವಲಯ,
ಬೃ. ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97.

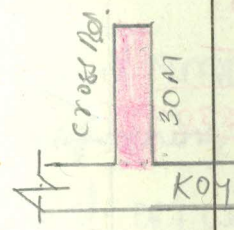
Serial No.....

Name of work.....

Name of Contractor of nature of Age

Date of commencement of work.....

Date	Full description, etc, of work
1	2



EC Road

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	4	5	7	8
	1048500=00 145830=00 902670=00 Finishing for bill H.M Total 145830=00						

IT - 10485-
MST - 41940-
FD - 57668-
WC - 10485-
CBR 1049-
Roy - 21200-
Misc 3000-
Total 145830=00

Serial No.....

Name of work.....

Name of Contractor of nature of Agen

Date of commencement of work.....

Date	Full description, etc, of work
1	2
	1) providing and Tmt ding straightening, lapping and or wer wire and Anchorin necessary complet machinery etc co For CC Drain Ist cross Road 10mm